

**SELECTIVE ACTIVATION OF CELLULAR ACTIVITIES MEDIATED
THROUGH A COMMON TOLL-LIKE RECEPTOR**

Abstract of the Disclosure

5 Methods of identifying compounds that selectively modulate cellular activities
mediated by a common TLR are provided. Generally, the methods include providing
an assay to detect modulation of a first cellular activity mediated by a TLR; providing
an assay to detect modulation of a second cellular activity mediated by the TLR;
performing each assay using a test compound; and identifying the test compound as a
compound that selectively modulates at least one cellular activity of a plurality of
10 activities mediated by a common TLR if the test compound modulates the first cellular
activity to a different extent than it modulates the second TLR-mediated cellular
activity. Compounds identified by such methods, pharmaceutical compositions
including such compounds, and methods of treating a condition by administering such
pharmaceutical compositions to a subject are also provided.

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